

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	360-01-87M	1987	4	15

Δ CURVE DATA
 $\Delta = 7^{\circ}06'00''$
 $D = 0^{\circ}30'00''$
 $R = 11459.16'$
 $T = 710.91'$
 $L = 1420.00'$
 $C = 1410.00'$
 $S.E. = 0.10 \text{ ft./ft.}$

TRUE NORTH
 Scale: $1" = 40'$

BEG. PROJ. NO 36C-01-87M
 STA. 132+00 =
 F.A.P. NO F-32(3)
 STA. 132+00

P.C. Sta. 134+63.58

← To Paia

R/W Line

4" White Edge Stripe

Exist. 24" RCP

Adjust $\pm$ Mon.

M.L. STA. 143+00

135

140

Adjust $\pm$ Mon.

R/W Line

TRUE NORTH
 Scale: $1" = 40'$

M.L. STA. 143+00

145

P.T. Sta. 148+83.58

R/W Line

150

155

4" White Edge Stripe

Adjust $\pm$ Mon.

Existing 36" RCP

R/W Line

→ To Kailua

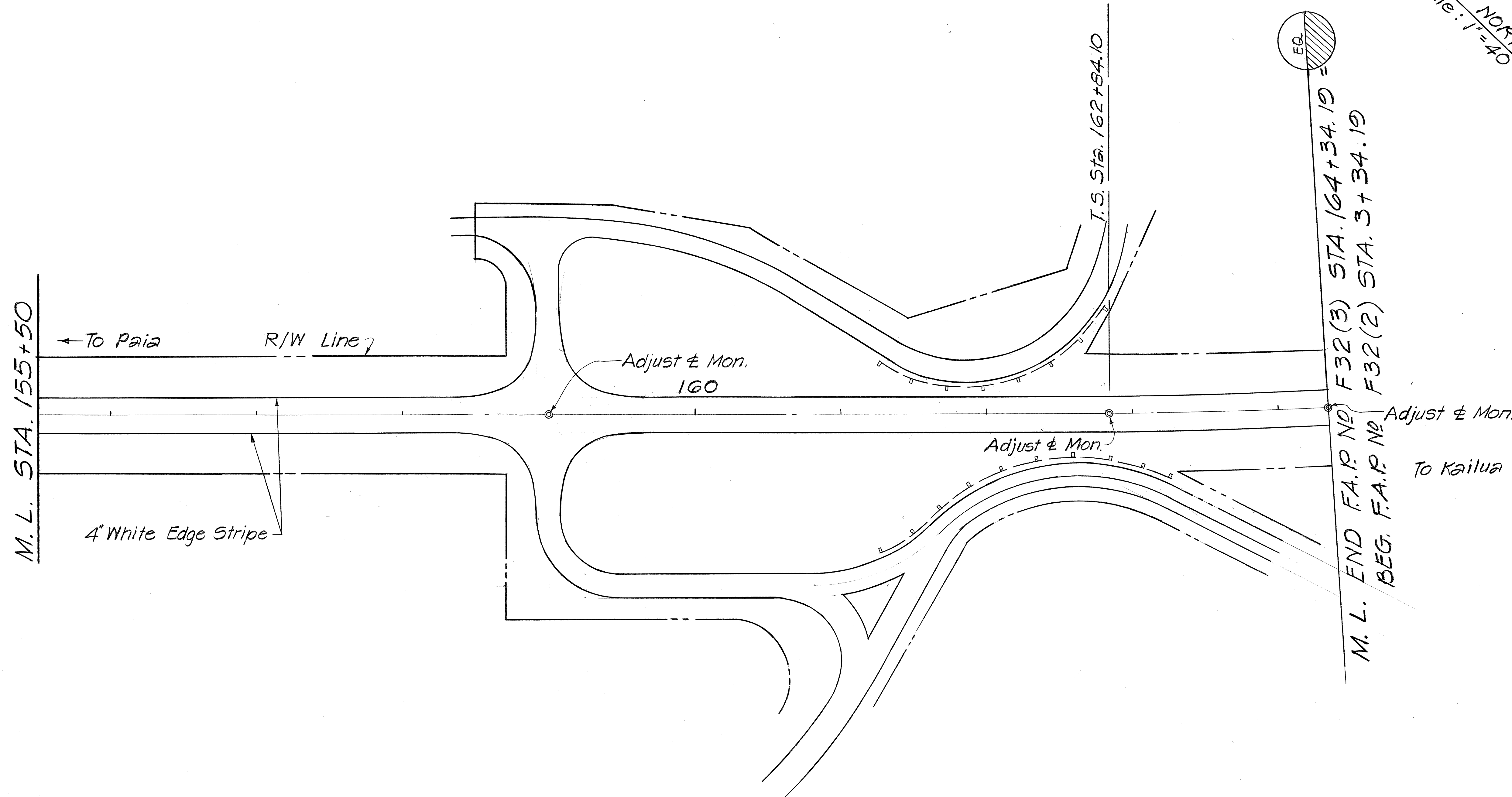
M.L. STA. 155+50

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PLAN
 HANA HIGHWAY RESURFACING
 VALLEY ISLE MEMORIAL
 CEMETERY TO KAUPAKALUA RD.
 PROJ. NO 36C-01-87M
 SCALE: AS SHOWN JULY 1986
 SHEET No. 1 OF 11 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	360-01-87M	1987	5	15

TRUE NORTH
Scale: 1" = 40'



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	CHECKED BY	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HANA HIGHWAY RESURFACING
VALLEY ISLE MEMORIAL
CEMETERY TO KAUPAKALUA RD.

PROJ. NO 360-01-87M
SCALE: AS SHOWN JULY 1986

SHEET NO. 2 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	36C-01-87M	1987	6	15

BEG. F.A.P. No 32(2) STA. 3+34.19 =
M.L. PROJ. No 36C-01-87M STA. 3+34.10

S.C. Sta. 4+34.10

4 CURVE DATA

$\Delta = 107^{\circ} 04'$
 $D_c = 8^{\circ} 30'$
 $LS = 250.00'$
 $TS = 1042.14'$
 $X_c = 249.14'$
 $Y_c = 15.42'$
 $LT = 166.97'$
 $\theta_s = 10^{\circ} 37' 30''$
 $S.E. = 0.10 \text{ \# / ft.}$

TRUE NORTH
Scale: 1"=40'

M.L. S.T. STA. 16+93.80

Adjust & Mon.

O.S. Sta. 14+43.80

To Kailua

Kaupakulua Stream

R/W Line

Exist. Conc. Post

Exist. Conc. Guide Post

4" White Edge Stripe

R/W Line

Exist. Std. Wd. Guard Rail

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

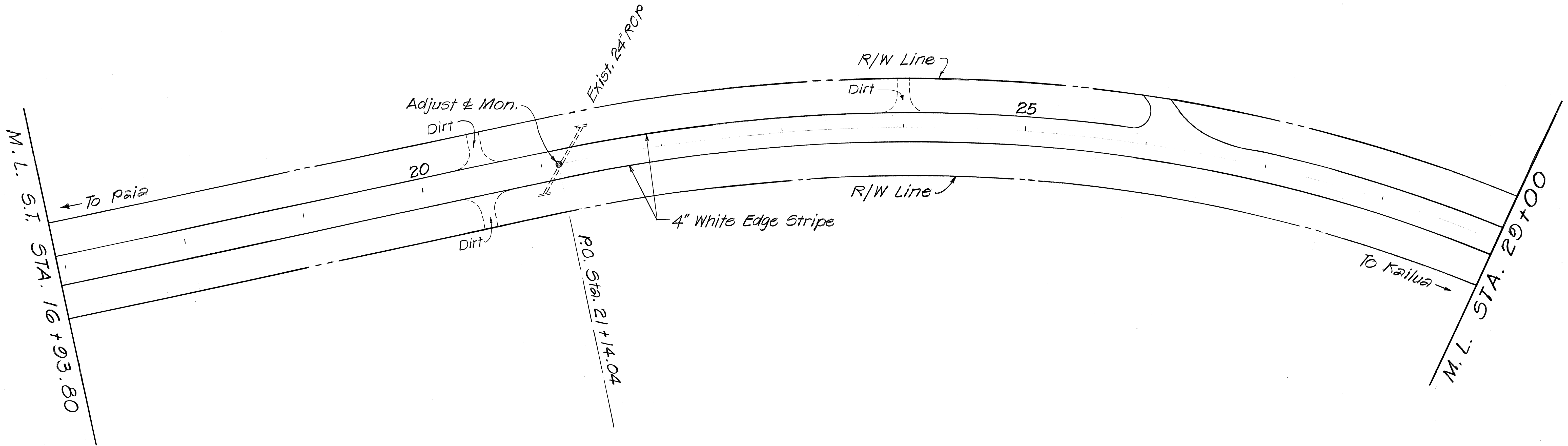
HANA HIGHWAY RESURFACING
VALLEY ISLE MEMORIAL
CEMETERY TO KAUPAKALUA RD.
PROJ. No 36C-01-87M

SCALE : AS SHOWN JULY 1986

SHEET NO. 3 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	36C-01-87M	1987	7	15

TRUE NORTH
Scale = 1" = 40'



± CURVE DATA

$\Delta = 89^{\circ} 25' 30''$
 $D = 4' 15''$
 $R = 1348.14'$
 $T = 1334.68'$
 $L = 2104.12'$
 $C = 1896.97'$
 $S.E. = 0.08 \text{ ft./ft.}$

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HANA HIGHWAY RESURFACING
VALLEY ISLE MEMORIAL
CEMETERY TO KAUPAKALUA RD.
PROJ. NO 36C-01-87M

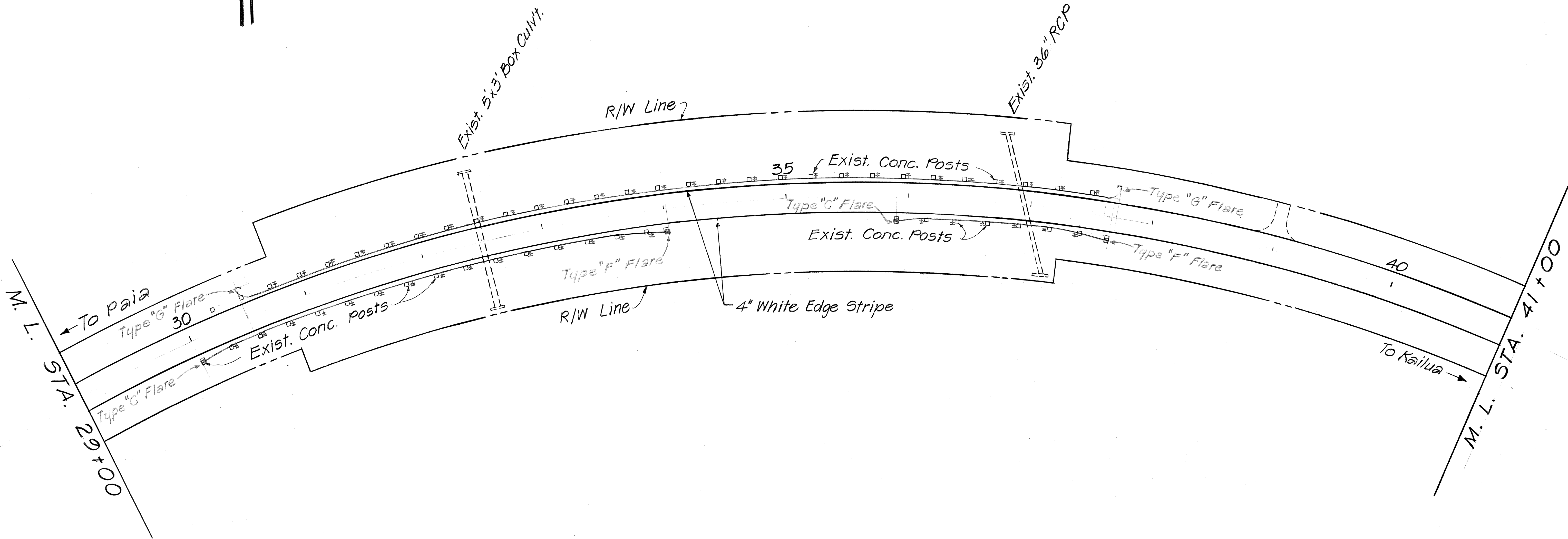
SCALE : AS SHOWN JULY 1986

SHEET NO. 4 OF 11 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	36C-01-87M	1987	8	15

TRUE NORTH
Scale: 1"=40'



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
NO.	

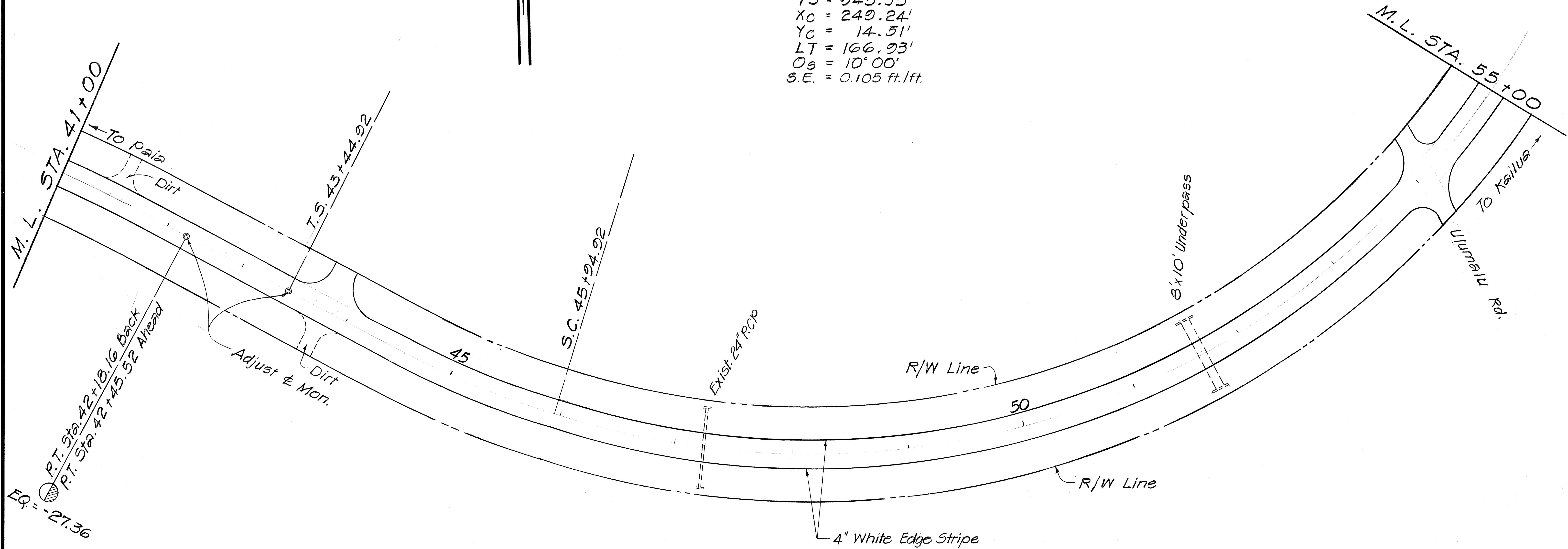
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PLAN
HANA HIGHWAY RESURFACING
VALLEY ISLE MEMORIAL
CEMETERY TO KAUPAKALUA RD.
PROJ. NO 36C-01-87M
SCALE: AS SHOWN JULY 1986
SHEET NO. 5 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	36C-01-87M	1987	9	15

⊘ CURVE DATA

$\Delta = 97^{\circ} 28' 30''$
 $D_c = 8^{\circ} 00'$
 $LS = 250.00'$
 $TS = 945.35'$
 $XC = 240.24'$
 $YC = 14.51'$
 $LT = 166.93'$
 $OS = 10^{\circ} 00'$
 $S.E. = 0.105 \text{ ft./ft.}$

TRUE NORTH
Scale: 1" = 40'



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
NO.	

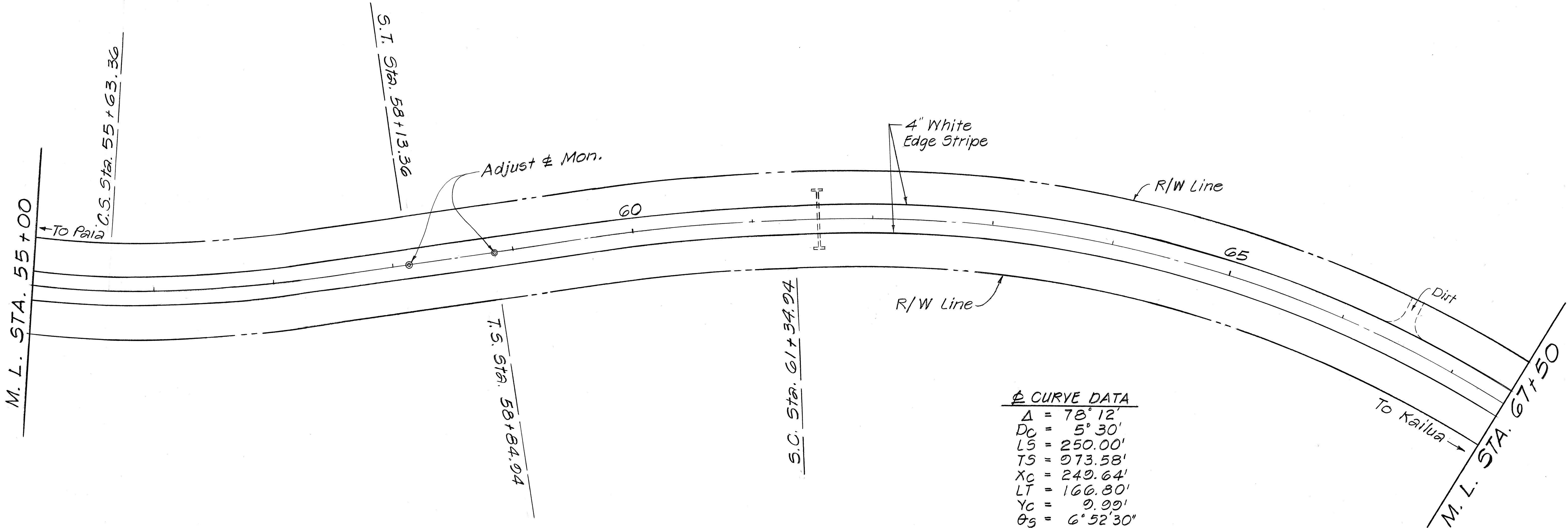
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HANA HIGHWAY RESURFACING
VALLEY ISLE MEMORIAL
CEMETERY TO KAUPAKALUA RD.
PROJ. NO. 36C-01-87M
SCALE: AS SHOWN JULY 1986
SHEET NO. 6 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	36C-01-87M	1987	10	15

TRUE NORTH
Scale: 1"=40'



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

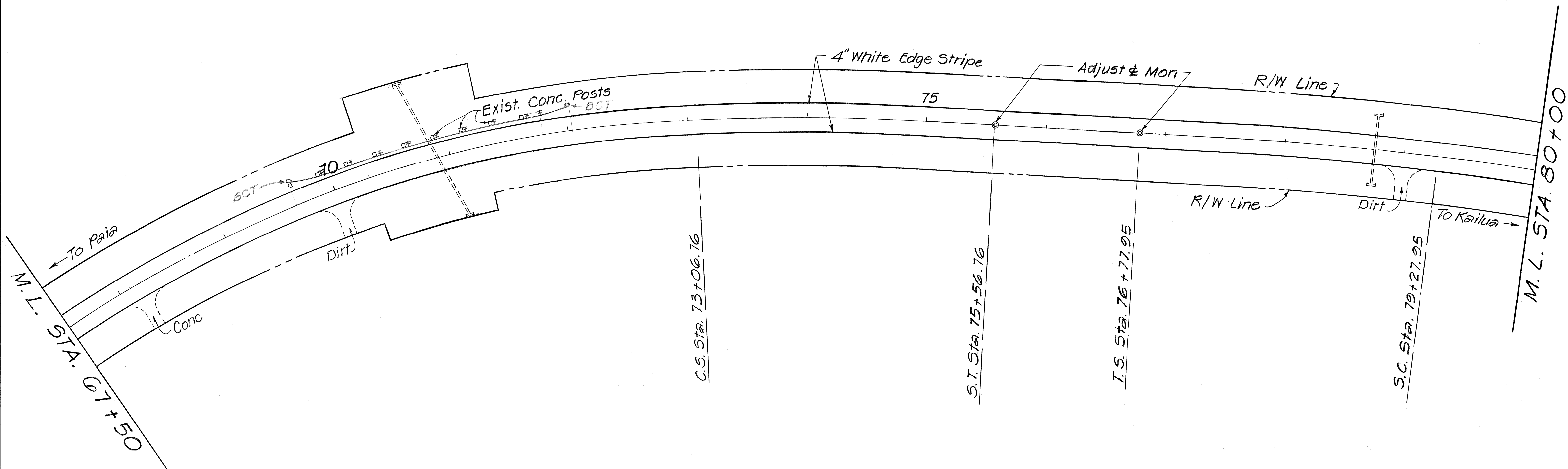
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HANA HIGHWAY RESURFACING
VALLEY ISLE MEMORIAL
CEMETERY TO KAUPAKALUA RD.
PROJ. NO 36C-01-87M
SCALE: AS SHOWN AUG. 1986
SHEET NO. 7 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	36C-01-87M	1987	11	15

TRUE NORTH
Scale: 1"=40'



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

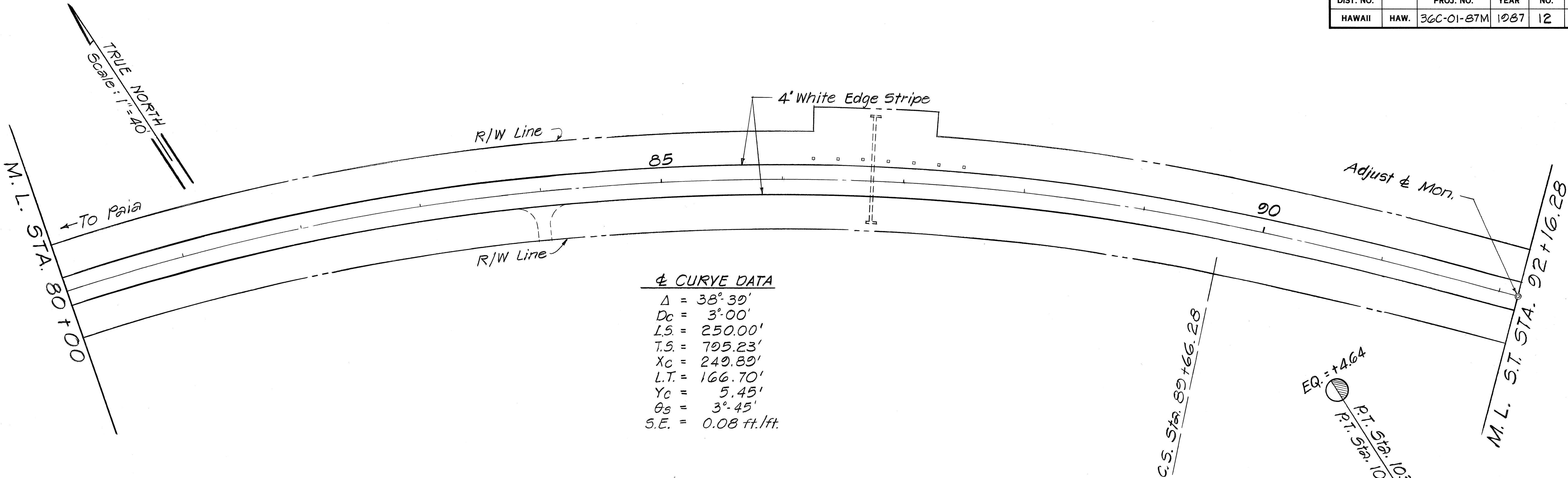
PLAN

HANA HIGHWAY RESURFACING
VALLEY ISLE MEMORIAL
CEMETERY TO KAUPAKALUA RD.
PROJ. NO 36C-01-87M

SCALE: AS SHOWN AUG 1986

SHEET NO. 8 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	36C-01-87M	1987	12	15

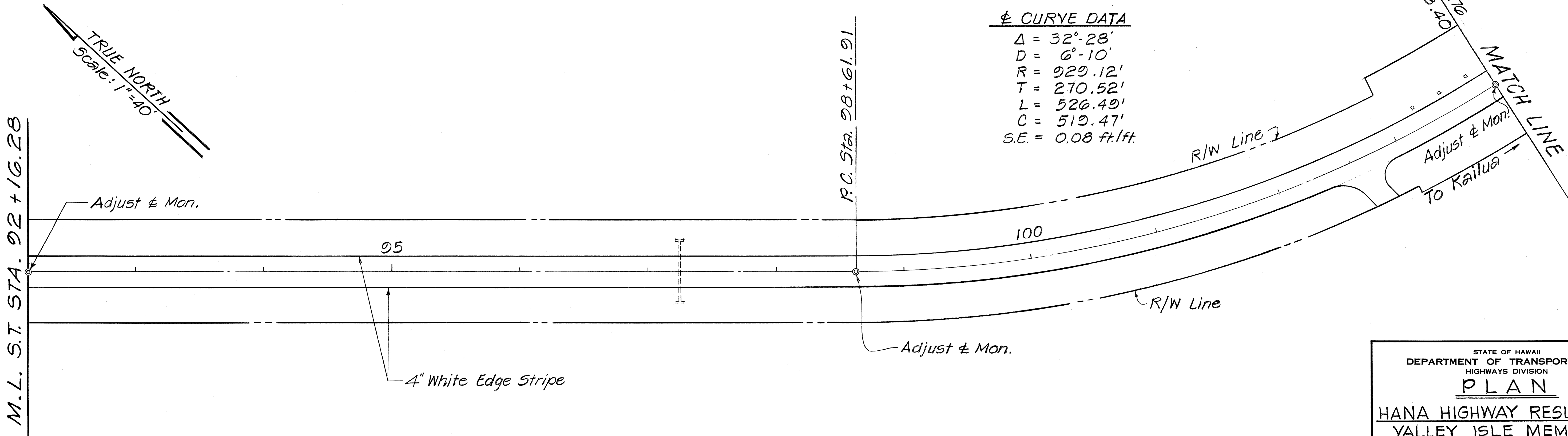


± CURVE DATA

Δ	= 38° 30'
D_c	= 3° 00'
$L.S.$	= 250.00'
$T.S.$	= 795.23'
X_c	= 249.89'
$L.T.$	= 166.70'
Y_c	= 5.45'
θ_s	= 3° 45'
$S.E.$	= 0.08 ft./ft.

± CURVE DATA

Δ	= 32° 28'
D	= 6° 10'
R	= 929.12'
T	= 270.52'
L	= 526.49'
C	= 519.47'
$S.E.$	= 0.08 ft./ft.



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HANA HIGHWAY RESURFACING
VALLEY ISLE MEMORIAL
CEMETERY TO KAUPAKALUA RD.
PROJ. NO 36C-01-87M

SCALE: AS SHOWN AUG. 1986

SHEET NO. 9 OF 11 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	CHECKED BY	
	QUANTITIES BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	36C-01-87M	1987	13	15

EQ. = +4.64'

P.T. Sta. 103+88.40
A.T. Sta. 103+83.76
Beg. of Bridge
Sta. 104+3.5
End of Bridge
Sta. 106+82

UAOA BRIDGE

R/W Line

105

110

115

R/W Line

4" White Edge Stripe

Adjust & Mon.

P.C. Sta. 111+75.82

± CURVE DATA

$\Delta = 12^\circ 20' 30''$
 $D = 2^\circ 00'$
 $R = 2864.79'$
 $T = 313.53'$
 $L = 624.58'$
 $C = 623.35'$
 $S.E. = 0.02 \text{ ft./ft.}$

TRUE NORTH
Scale: 1"=40'

M.L. STA. 116+00

TRUE NORTH
Scale: 1"=40'

M.L. STA. 116+00

Dirt

Adjust & Mon.

120

R/W Line

125

4" White Edge Stripe

Adjust & Mon.

R/W Line

Holokai Rd.

P.C. Sta. 123+25.96

± CURVE DATA

$\Delta = 15^\circ 29'$
 $D = 2^\circ 30'$
 $R = 2291.83'$
 $T = 311.56'$
 $L = 619.33'$
 $C = 617.45'$
 $S.E. = 0.04 \text{ ft./ft.}$

24" RCP

To Kailua

M.L. STA. 128+50

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
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HANA HIGHWAY RESURFACING
VALLEY ISLE MEMORIAL
CEMETERY TO KAUPAKALUA RD.
PROJ. NO 36C-01-87M

SCALE: AS SHOWN AUG. 1986

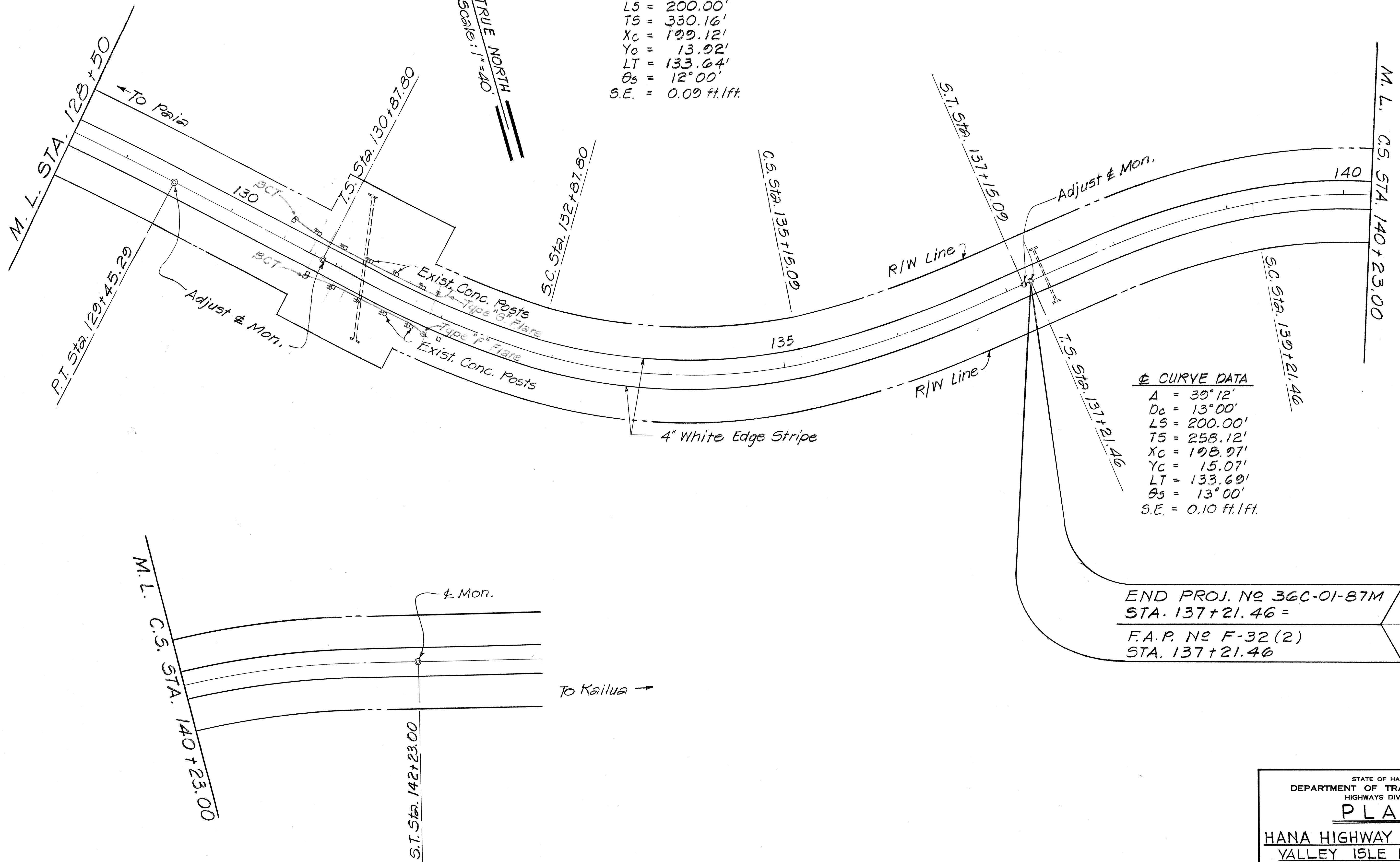
SHEET No. 10 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	36C-01-87M	1987	14	15

☒ CURVE DATA

$\Delta = 51^\circ 16' 30''$
 $D_c = 12^\circ 00'$
 $LS = 200.00'$
 $TS = 330.16'$
 $X_c = 199.12'$
 $Y_c = 13.92'$
 $LT = 133.64'$
 $\theta_s = 12^\circ 00'$
 $S.E. = 0.09 \text{ ft./ft.}$

TRUE NORTH
Scale: 1"=40'



☒ CURVE DATA

$\Delta = 39^\circ 12'$
 $D_c = 13^\circ 00'$
 $LS = 200.00'$
 $TS = 258.12'$
 $X_c = 198.97'$
 $Y_c = 15.07'$
 $LT = 133.69'$
 $\theta_s = 13^\circ 00'$
 $S.E. = 0.10 \text{ ft./ft.}$

END PROJ. NO 36C-01-87M
STA. 137+21.46 =

F.A.P. NO F-32 (2)
STA. 137+21.46

SURVEY PLOTTED BY	DATE
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CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HANA HIGHWAY RESURFACING
VALLEY ISLE MEMORIAL
CEMETERY TO KAUPAKALUA RD.
PROJ. NO 36C-01-87M

SCALE: AS SHOWN AUG 1986

SHEET NO. 11 OF 11 SHEETS